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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/502,276	01/05/2005	Adrian Cuthbert	P-7062-US	3690
49443 7590 11/02/2007 PEARL COHEN ZEDEK LATZER, LLP 1500 BROADWAY 12TH FLOOR NEW YORK, NY 10036			EXAMINER PHAN, THAI Q	
			ART UNIT 2128	PAPER NUMBER
			MAIL DATE 11/02/2007	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

# Office Action Summary

Application No.

10/502,276

Applicant(s)

CUTHBERT ET AL.

Examiner

Thai Phan

Art Unit

2128

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

1) ☒ Responsive to communication(s) filed on July 23, 2004.

2a) ☐ This action is **FINAL**.

2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

4) ☒ Claim(s) 106-156 is/are pending in the application.

4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.

6) ☒ Claim(s) 106-156 is/are rejected.

7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.

8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☒ The drawing(s) filed on 23 July 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) ☒ All b) ☐ Some \* c) ☐ None of:

1. ☒ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.

3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date 02/2005.

4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.

5) ☐ Notice of Informal Patent Application

6) ☐ Other: \_\_\_\_\_.

### **DETAILED ACTION**

This Office Action is in response to patent application S/N: 10/502,276, filed on July 23, 2004. Claims 106-152 are pending in the Action.

#### ***Drawings***

The drawings filed on 07/23/2004 are acceptable for examination.

#### ***Information Disclosure Statement***

The Information Disclosure Statement filed on Feb. 24, 2005 was considered.

#### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 106-152 are rejected under 35 U.S.C. 102(e) as being anticipated by Walker, Richard, US patent publication no. 2003/0221118.

As per claim 106, Walker anticipates a method of providing graphical schematic data to a mobile device, the method comprising the steps of:

retrieving geographical data representative of a geographical network from a database ([0027]), the data including a plurality of geographical features ([0045]-[0134]);  
receiving configuration data indicative of a property of the device;  
selecting one of a plurality of schematic types in dependence on the configuration data;  
selecting a set of geographical features from the geographical data;  
in accordance with the selected schematic type,  
processing the selected geographical features in accordance with a geometrical simplification algorithm and generating a graphical schematic ([0381] from the processed geographical features; and out-putting the graphical schematic to the device ([0180], [0196], [0204]).

As per claim 107, A method according to claim 106, wherein the plurality of schematic types comprise a first type being a representation of a single junction, and a second type being a representation of multiple junctions ([0339]).

As per claim 108, the method according to claim 107, wherein selecting a set of geographical features from the geographical data comprises selecting features relating to a single junction if the first type of schematic is selected, and selecting features relating to at least two junctions and a route connecting the at least two junctions if the second type of schematic is selected ([0060], [0156], [0546]-[0555]).

As per claim 109, the method according to claim 108, wherein selecting features relating to a junction comprises selecting features which would be perceived by a pedestrian to be part of a junction in dependence on predetermined criteria.

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As per claim 110, the property is the screen resolution of the device.

As per claim 111, Walker anticipates the method according to claim 106, wherein the simplification algorithm aligns the features with selected screen geometry ([0136], [0416]).

As per claim 112, Walker anticipates the method according to claim 106, wherein the data includes a plurality of nodes, and the simplification algorithm adjusts the relative positions of the nodes ([0150]-[0178]).

As per claim 113, the method according to claim 106, wherein the data includes a plurality of edges, and the simplification algorithm adjusts the relative angles between at least two such edges.

As per claim 114, Walker anticipates the method wherein the simplification algorithm snaps the relative angles of at least two edges to one of a set of preferred angles ([0415]).

As per claim 115, the method according to claim 113, wherein the simplification algorithm adjusts the relative angles of at least two edges to be parallel or anti-parallel.

As per claim 116, Walker anticipates the method according to claim 106, wherein the simplification algorithm includes the steps of:

identifying preferable alignment relationships between different elements of the data ([0415]); and

adjusting the relative positions of the elements so as to provide an arrangement which best satisfies the identified alignment relationships.

As per claim 117, A method according to claim 116, the data including at least one node and at least two edges connected to the node(s) and being representative of junction exits, and wherein the simplification algorithm includes the steps of identifying at least two edges as junction exits; identifying preferable alignment relationships through coordinate directions between the junction exits; and adjusting the relative positions and/or angles of the junction exits so as to provide an arrangement which best satisfies the identified alignment relationships ([0091], [0108], [0197], [0339]).

As per claim 118, A method according to claim 116, further comprising computing a measure of the strength of the alignment relationships in dependence on the similarity of the geometry of the elements to a predetermined relationship, such as a parallel or anti-parallel relationship ([0156], [0249], [0339], [0373]).

As per claim 119, the method according to claim 106, the data including nodes and edges connected to the nodes, and wherein the simplification algorithm preserves anti-parallel relationships between pairs of edges in preference to parallel relationships between pairs of edges through geographic mapping process ([0156]).

As per claim 120, the method according to claim 106, the data including nodes and edges connected to the nodes, and wherein the simplification algorithm includes the steps of identifying one or more of said edges as junction exits; and grouping the junction exits into clumps of junction exits which can be displayed as emanating from the same point ([0268], [0289], [0291]).

As per claim 121, the simplification algorithm attempts to minimize the number of clumps ([0028], [0306], [0390]-[0391]).

As per claim 122, due to the similarity of claim 122 to claim 117 above, claim 122 is also rejected in like manner.

As per claim 123, due to the similarity of claim 123 to claim 120 above, claims 123 is thus rejected in like manner.

As per claim 124, Walker anticipates route data, nodes, and geographical data as claimed.

As per claims 125-136, Walker anticipates road or route segment, highway or road characteristics such as significant or insignificant data, road direction, joints, junction, road types, etc. ([0108], [0216], [0306]).

As per claims 137-150, Walker anticipated geographical area for point of interest ([0216]), location and direction on road for schematic orientation such as WEST, NORTH, etc, road segment parameter download from software program, time of day when operating the system, day or night in real time, etc. ([0029], [0039], [0095], [0134], [0156], [0213], [0216], [0340]).

As per claims 151-152, the claims are directed to a system for performing steps in the method claim above. The claims are also required and controlled by software program to control and execute steps as in the method claim. Claims 151-152 are also rejected in like manner.

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**Conclusion**

1. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thai Phan whose telephone number is 571-272-3783. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kamini Shah can be reached on 571-272-2279. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

2. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Oct. 12, 2007

  
THAI PHAN  
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